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Bright view
ELECTRONICS CO.,LTD

LIGHT EMITTING DIODE

BVT-5E1TT4#

DESCRIPTION

Dice Material : AlInGaP/GaP (Transparent substrate) Super Brightness Yellow
Light Color : Yellow Color
Lens Color : Water Transparent
Dimension No : BV-501/BV-501R
Stand Off Part : BVT-5E1TT4#R

Jameco P/N 197675

ABSOLUTE MAXIMUN PATINGS AT Ta=25°C

PARAMETER	MAX.	UNIT
Power Dissipation	80	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	160	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/ °C
Operating Temperature Range	-40 °C to + 100 °C	
Storage Temperature Range	-40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 senconds		

ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I F = 20 mA		2.3	2.8	V
I_R	Reverse Current	V R = 5 V			100	μA
λp	Peak Emission Wavelength	I F = 20 mA		592		n m
λd	Dominant Wavelength	I F = 20 mA		590		n m
$2\theta_{1/2}$	Viewing Angle	I F = 20 mA		15		Deg

BIN grade limits (IF=20mA) Luminous Intensity

Device	☐ BVT-5E1TT4D			☐ BVT-5E1TT4E		
Bin	L	M	N	O	P	Q
Max.	1680	2180	2800	3600	4650	6000
Min.	2180	2800	3600	4650	6000	7800
Device	☐ BVT-5E1TT4F			☐ BVT-5E1TT4G		
Bin	R	S	T	U	V	W
Max.	7800	10000	13000	16800	21800	28000
Min.	10000	13000	16800	21800	18000	36000

Tolerance ± 15 % mcd

Dominant Wavelength

Bin	Min.	Max.
YC	582	585
YD	585	588
YE	588	591
YF	591	594
YG	594	597

Tolerance ± 0.5 nm

CAUTION

Bright Veiw reserves the right to alter specifications and remove avilability of products at anytime without notice